

# SEARCHING FOR SUBSTRING IN STRING USING CLR OBJECTS

Summary – The purpose of this work is to present the possibility to use mapped to the procedural elements Transact SQL CLR object classes that are created on the .NET platform in a complex processing algorithms. There are presented theoretical algorithms for matching chains for finite symbol set alphabets. For introduced infinite symbol set alphabets solutions may not be easily modified, so it was proposed the algorithm DTW (Dynamic Time Warping), which was programmed using the mapping rules for procedural extension to SQL. There where shown elements of the practical implementation and the experimental results of matching gestures were discuss.